

## Super-Sleuth

**Observations:**

What do you know about the present-day elevation of the Florissant Valley? Write some observations in your investigator's report. Look again at the fossils in the Florissant collection. Write some observations comparing them to present-day plants and animals.

Does the fossil record suggest that the elevation of Florissant was different in the Eocene than it is presently? What was the elevation in the Eocene? What caused the change? Write hypotheses for these questions. You may write as many as you like, but remember that a hypothesis must be testable.

Now that you have hypotheses written, start looking at the evidence to see if it supports your hypotheses. You will need to visit these leads to gather evidence for your case. Use the space below to take notes.

Reconstructing the Past:

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Climate and Elevation:

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Physiognomic and Floristic Methods:

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Now that you have hypotheses written, start looking at the evidence to see if it supports your hypotheses. You will need to visit these leads to gather evidence for your case. Use the space below to take notes.

A Bit About Plates:

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The Elevation Debate:

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## Results and Conclusions

## Verification

Hypothesis 1	TRUE	FALSE
Hypothesis 2	TRUE	FALSE
Hypothesis 3	TRUE	FALSE

Date: \_\_\_\_\_

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